

ABSTRACT OF THE DISCLOSURE

The camera in accordance with the present invention comprises light emitting means 4, light receiving means 5, clamping means 13, calculation means 14 for outputting output ratio signal, conversion means 15 for converting the output ratio signal into a distance signal corresponding to the distance or a predetermined fixed value, luminance measuring means for measuring the luminance of the outside light, and exposure control means that, when the luminance of the outside light measured by the luminance measuring means is lower than a predetermined switchover luminance, controls the aperture value of lens to a released aperture value; and when higher than the predetermined switchover luminance, controls the aperture value of lens to increase corresponding to the increase of the luminance, and is characterized in that, in a first AF signal value corresponding to the infinity determination distance and a second AF signal value corresponding to the switchover luminance, the AF signal value, which corresponds to the shorter range is set up as an infinity determination threshold value.